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General

Wearflex® telescopic seals are flexible seals, which are capable of absorb large axial movements (up to 350 mm) at high temperatures. They are being manufactured using prefabricated stainless steel half pipe sections with inside high temperature insulation.

Concept

Wearflex® telescopic seals are applied in the (petro)chemical industry where catalyst tubes in reformers penetrate the roof. Tubes in certain reformers have a large expansion into the axial direction only. The penetration has to be sealed off in order to avoid cold air ingress into the radiant section, as cold air ingress will lead to high energy costs.

Wearflex® telescopic seals are easy to install around each reformer tube at the pigtail connection and on top of the roof. The installation of Insulcon's **Wearflex® telescopic seals** takes only 5-10 minutes, using a screwdriver and stainless steel jubilee clips. The outside two half pipe sections (fixed around each tube) moves like a telescope over the inside half pipe sections (fixed at a steel flange which is welded to the roof steel plate), forming a perfect seal while absorbing axial movements up to 350 mm.

Advantages Wearflex® telescopic seals:

- Prevent cold air ingress
- Can absorb extreme axial movements
- Decrease heat loss and therefore reduce energy costs
- Easy to install and remove
- Are temperature resistant up to 900°C



Pigtale matrasses

Together with our Wearflex® telescopic seals we can offer you the Wearflex® insulation cover (pigtail mattresses) to cover the pig tale tubes from the manifold to the catalyst tube. These mattresses are specially designed to insulated the pig tale tubes.

They can be installed quickly in compare with the traditional calcium silicate pipe insulation with aluminium foil and tie-wire.

They can be removed quickly as well, for inspection or maintenance of the pigtail tubes.

For more information about other Wearflex® products, please see our other products. You can contact our specialists as well. They will gladly look at the possibilities in your company and will make you an offer without any engagement.

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